

an elongate curved backbone (12) which is of a resiliently flexible material having a Young's modulus of between 50 GPa to 350 GPa, the backbone having a substantially spatially consolidated cross-sectional profile at substantially all points along its length,

characterised therein that the magnitude of the thickness at substantially the thickest point along the backbone, T_m (expressed in millimetres) is at most $0.0007 * L - 0.0027407 * E + 1.37814$, where L is the total length of the backbone expressed in millimetres and E is the Young's modulus of the backbone material expressed in GPa.

4. A windscreen wiper (10) which includes

an elongate curved backbone (12) which is of a resiliently flexible material having a Young's modulus of between 50 GPa to 350 GPa, the backbone having a substantially spatially consolidated cross-sectional profile at substantially all points along its length,

characterised therein that the ratio of the magnitude of the thickness at substantially the thickest point along the backbone, to the total length L of the backbone, R_t is at most $0.0007 - (0.0027407 * E + 1.37814)/L$, where L is the total length of the backbone expressed in millimetres and E is the Young's modulus of the backbone material expressed in GPa.

5. The windscreen wiper as claimed in Claim 1, characterised therein that the material of the backbone is a composite material, with the Young's modulus being that of the composite material.

6. The windscreen wiper as claimed in Claim 3, characterised therein that th

Spring
steel =
variety of steel &
elastic

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material of the backbone is a composite material, with the Young's modulus being that of the composite material.

7. The windscreen wiper as claimed in Claim 1, characterised therein that the backbone has a varying width and thickness along its length.

8. The windscreen wiper as claimed in Claim 1, characterised therein that the backbone has a free form curvature in a plane.

9. The windscreen wiper as claimed in Claim 1, characterised therein that the backbone has a compound curvature.

10. The windscreen wiper as claimed in Claim 3, characterised therein that the backbone has a varying width and thickness along its length.

11. The windscreen wiper as claimed in Claim 3, characterised therein that the backbone has a free form curvature in a plane.

12. The windscreen wiper as claimed in Claim 3, characterised therein that the backbone has a compound curvature.

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